

CLAIMS

What Is Claimed Is:

1. Vertical bagging machine with a forming shoulder to transform a film track to a film tube of a vertical seal device to seal the film tube parallel to its transfer direction under production of a vertical seal, comprising:

a cross seal mechanism to seal the film tube across from the transfer direction through cross seals of a separating device to detach the bags from the film tube a filling tube for optional filling of the bags, from two at the filling tube facing film deductions, which limit the filling tube and frequented moving in opposite directions to peel the film off the supply role to transfer on the film tube, whereby the film end along an interlocking which impacts against the filling tube, in order to seize and move the film track downward between the vertical filling tube and the film draw-off along an interlocking with frictional engagement, also from the filling tube distance form items for the formation of output-steered edges on the film tube as well as with in each sealing element per forming element in feed direction the form items are subordinate, in order to seal the edges, by the fact characterized that at the horizontal cross section of the filing tubes a first track by the interlocking at the first film end out over the outer surface of the filling tubes up to the interlocking at the second film end whereby a form item is rotated, if it is present on this track directly or is approximately alike as a second track which of the interlocking of the first film end goes out and over the outer surface and over at least one form item to the interlocking at the second film end is enough, and that the number of form items of the two tracks is unequal.

2. Bagging machine according to claim 1, further including that along the first track no form item is present and is intended along the second track of two form items.

3. Bagging machine according to claim 2, further including a parallel at a track to the effect straight line, which like the effect straight line in the cross section is likewise situated that the radius of curvature sets, the cross section interspersing center line for the inner surface of an area of the filling tube at the crossover of the effect straight line with perpendicularly to it a running, and that the radius of curvature sets for the outer surface of this area width unit at the intersection of the parallel with the center line.

4. Bagging machine according to claim 3, further comprising the area of the filling tube being located along the first track.

5. Bagging machine according to claim 4, further comprising the area of the filling to be located along the first track and the second track.

6. Bagging machine according to claim 1, further comprising a guiding device accessing over the form items is intended, whereby the edges run between the form items and the guiding device.

7. Bagging machine according to claim 3, further comprising that the radius of curvature of the inner surface is smaller than the radius of curvature of the outer surface of this area.

8. Bagging machine according to claim 3, further comprising that a section of the filling tube running in a filling pipe of the forming shoulder indicates an inner surface concentric to the outer surface.

9. Bagging machine according to claim 1, further comprising the filling tube being flatter for setting of the film ends.